

Title (en)

MODIFIED CONJUGATED DIENE POLYMER, MODIFIED RUBBER COMPOSITION COMPRISING SAME, AND METHOD FOR PRODUCING MODIFIED CONJUGATED DIENE POLYMER

Title (de)

MODIFIZIERTES KONJUGIERTES DIENPOLYMER, MODIFIZIERTE KAUSCHUKZUSAMMENSETZUNG DAMIT UND VERFAHREN ZUR HERSTELLUNG DES MODIFIZIERTEN KONJUGIERTEN DIENPOLYMERS

Title (fr)

POLYMÈRE DE DIÈNE CONJUGUÉ MODIFIÉ, COMPOSITION DE CAOUTCHOUC MODIFIÉE LE COMPRENANT, ET PROCÉDÉ DE PRODUCTION DE POLYMÈRE DIÈNE CONJUGUÉ MODIFIÉ

Publication

EP 3093301 A1 20161116 (EN)

Application

EP 15826414 A 20150720

Priority

- KR 20140097466 A 20140730
- KR 2015007512 W 20150720

Abstract (en)

Disclosed are a method of preparing a modified conjugated diene-based polymer, a modified conjugated diene-based polymer prepared thereby, and a rubber composition and a tire, including the modified conjugated diene-based polymer. The method of preparing the modified conjugated diene-based polymer includes (a) polymerizing a vinyl aromatic monomer and a conjugated diene monomer using an organo-alkali metal compound in the presence of a hydrocarbon solvent, thus forming an active polymer having an alkali metal end; and (b) coupling or linking the active polymer having the alkali metal end with a compound represented by Chemical Formula 1 or 2.

IPC 8 full level

C08F 36/04 (2006.01); **C08C 19/22** (2006.01); **C08C 19/25** (2006.01); **C08F 2/06** (2006.01); **C08F 8/42** (2006.01); **C08F 236/10** (2006.01)

CPC (source: EP KR US)

B60C 1/00 (2013.01 - KR); **C08C 19/22** (2013.01 - EP KR US); **C08C 19/25** (2013.01 - EP KR US); **C08C 19/44** (2013.01 - KR US); **C08F 2/06** (2013.01 - EP KR US); **C08F 8/42** (2013.01 - EP KR US); **C08F 36/04** (2013.01 - EP KR US); **C08F 236/10** (2013.01 - EP KR US); **C08K 3/36** (2013.01 - US); **C08K 5/5419** (2013.01 - KR); **C08K 5/544** (2013.01 - KR); **C08L 15/00** (2013.01 - KR); **C08F 2438/00** (2013.01 - KR)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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